UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/616,075	07/09/2003	Terry M. Fritz	10018793-1	9932

22879 · 7590 10/27/2006

HEWLETT PACKARD COMPANY
P O BOX 272400, 3404 E. HARMONY ROAD
INTELLECTUAL PROPERTY ADMINISTRATION
FORT COLLINS, CO 80527-2400

EXAMINER
HAILU, TADESSE

ART UNIT	PAPER NUMBER
2173	

DATE MAILED: 10/27/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 10/03)

-- *The MAILING DATE of this communication appears on the cover sheet with the correspondence address* --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on <u>09 July 2003</u>.

2a)☐ This action is **FINAL**.   2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) <u>1-44</u> is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) <u>1-44</u> is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on <u>09 July 2003</u> is/are: a)☒ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All   b)☐ Some * c)☐ None of:

      1.☐ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____.

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☒ Notice of References Cited (PTO-892)

2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3)☒ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date <u>20061024</u>.

4)☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ .

5)☐ Notice of Informal Patent Application

6)☐ Other: _____ .

DETAILED ACTION

1.   This Office Action is in response to the above patent application number filed on

July, 9, 2003.

2.   The Information Disclosure Statements with references submitted to the Office

on July 9, 2003, September 15, 2005 and February 24, 2006 are considered and

entered into the file.

3.   The pending claims 1 through 44 are examined herein as follows.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that

form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
> (a) the invention was known or used by others in this country, or patented or described in a printed
> publication in this or a foreign country, before the invention thereof by the applicant for a patent.

4.   <u>Claims 1-14, 16-24; 26, 28-30, 32, 34, 35, 37, 39, and 42-44 are rejected under</u>

<u>35 U.S.C. 102(a) as being anticipated by Parry (US 2003/0030664).</u>

The present invention relates generally to imaging devices, and in particular to

control panels for imaging devices. Similarly, Parry is also relates to customizable

control panel software which enables a computer user to access, manage and update

peripheral devices, such as printing devices.

With regard to claim 1:

1. An imaging system (printing device 50) coupled to a computer (workstation

20), comprising:

an imaging system display (local display 58); and

a driver to operate the display (e.g., a print driver component), the driver for

receiving a display configuration and displaying a screen representative of the imaging

system display configuration on a computer display, the driver resident on the

computer (pars. 19, 51, 53 and 85).

With regard to claim 2:

Parry's imaging system further discloses that the driver includes a plurality of

commands for performing a plurality of operations on the display to change the

imaging system display appearance (see (Fig. 3, 4 or 5, pars. 19, 51 and 55).

With regard to claim 3:

Parry's imaging system further discloses a configuration program adapted to run

on a processor to create imaging system display configurations (pars. 53, 56 and 58,

Fig. 3, 4 or 5).

With regard to claim 4:

Parry's imaging system further discloses that the command program further

comprises: a graphical user interface to display a representation of the imaging system

display on the computer display (Fig. 3, 4 or 5).

With regard to claim 5:

Parry discloses a graphical panel (Fig. 3, 4 or 5) for an imaging system (e.g.,

printing device 50), comprising:

a configurable display (Fig. 3, 4 or 5); and

a command program to control the configurable display (Fig. 3, 4 or 5), the

command program usable to re-configure the display (pars. 47, 53, 56 and 58).

With regard to claim 6:

Parry's graphical panel further includes that the command program is loadable on an external processor (e.g. workstation 20), the external processor connectable to the display (local display 58, Fig. 1) to transmit a display configuration to the display (pars. 21, 49, 53 and 54).

With regard to claim 7:

Parry's graphical panel further includes that a configuration program having a plurality of commands for generating the display configuration, and connectable to the driver to transmit the display configuration to the driver (par. 66).

With regard to claim 8:

Parry's graphical panel further discloses that the configuration program is loadable on an external computer (e.g., workstation 20, Fig. 1), the external computer connectable (see Fig. 1) to the command program to transmit a display configuration to the command program (par. 66).

With regard to claims 9 and 20:

Parry's graphical panel further discloses that the configuration program further includes a menu item command (see Fig. 3, 4 or 5);

a font command (see Fig. 3, 4 or 5); a font size command (see Fig. 3, 4 or 5); a color command (see Fig. 3, 4 or 5); a language command (see Fig. 3, 4 or 5); and a background command (see Fig. 3, 4 or 5); wherein each of the commands controls a property of the display, and each of the commands is adjustable by a user to the user's preference for each property (par. 56 and 62).

With regard to claim 10:

Parry discloses a host-based (e.g., workstation 20) command application, comprising: a graphical user interface (Fig. 3, 4 or 5) to display a representation of a front panel display for an imaging system; a command module, the command module adapted to allow re-configuration of the graphical user interface to display a new representation of the front panel display (pars. 19 and 73, Fig. 3, 4 or 5); and a configuration module to transmit the new representation to an imaging system (pars. 36, 66, 79 and 81).

With regard to claim 11:

Parry further discloses that the configuration module comprises: a command program adapted to run on a processor to create display configurations (pars. 19, 67, 76 and 79).

With regard to claim 12:

Parry further discloses that the command program further comprises: a graphical user interface to display a representation of the front panel display on the graphical user interface (par. 56).

With regard to claim 13:

Parry further discloses that the host-based application resides on a computer external to an imaging system (e.g., workstation 20, Fig. 1, pars. 36, 76 and 78).

With regard to claim 14:

Parry further discloses that the host-based application resides on an imaging system (pars. 33, 47, Fig. 1 or 2).

With regard to claim 16:

Parry discloses an imaging system (printing device 50), comprising: a body (Fig.

1); a controller (60); a memory (62) connected to the controller (60); a printer

mechanism operatively connected to the controller (Fig. 1); a display (local display 58)

operatively connected to the controller (e.g., microprocessor 60, pars. 38 and 40); and

a communications module (e.g., communication link 40) connected to the controller

(microprocessor 60), the communications module (40) adapted to receive an external

display configuration and to transmit a received display configuration to the controller

(Fig. 1, pars. 36 and 41).

With regard to claim 17:

Parry further discloses a command (or menu) program having a plurality of

commands for generating the display configuration (Fig. 3, 4, or 5).

With regard to claim 18:

Parry further discloses that the command program is displayed on local display

58 external to the body of the printer 50 (see Fig. 2).

With regard to claim 19:

Parry further discloses that the command program is loadable on an external

computer (e.g., workstation 20, Fig. 2), the external computer connectable to the

communications module to transmit a display configuration to the controller via the

communications module (communication link 40, Fig. 2, pars. 36 and 41).

With regard to claims 21-24 and 26:

Parry further discloses that the command program is accessed

via a keypad (par. 31), voice recognition (par. 31), a touchpad (par. 54), a graphical

user interface (Fig. 3, 4 or 5), from the command program via a wireless access (pars.

290 and 36).

With regard to claim 28:

Parry further discloses an imaging system (Fig. 1 or 2), comprising: a controller

(microcontroller 60); a memory (62) connected to the controller (60); a printer (printing

device 50) mechanism operatively connected to the controller (see Fig. 1); a display

panel (Fig. 3, 4 or 5); and a driver (print driver software) for the display panel, the

driver to control the display panel, and to display a control panel display changeable by

a user (pars. 51, 53 and 55).

With regard to claim 29:

Parry further discloses an method of configuring a display for an printing or

imaging system, comprising: selecting a set of user preferences for the display of the

imaging system (pars. 56, 64, and 66); saving the set of user preferences (par. 56);

and transmitting the set of user preferences to the imaging system (pars. 42, 53, 66

and 80).

With regard to claim 30:

Parry further discloses that selecting a set of user preferences comprises:

displaying a first graphical representation of the display (Fig. 3, 4 or 5); selecting a set

of display preferences (pars. 56, 64, and 66); and displaying a second graphical

representation including the selected preferences, the second graphical representation

being different from the first graphical representation (pars. 64, 69, 73 and 74, Fig. 5).

With regard to claim 32:

Parry discloses a machine readable medium (ROM, RAM, etc of workstation 20) comprising a set of instructions for causing a processor to perform a method, the method comprising: displaying a first graphical representation of a display for an imaging system (Fig. 3 or 4); displaying a second graphical representation of the display when a set of user preferences is changed (Fig. 5); saving the set of user preferences (pars. 64, 69 and 70); and transmitting the set of user preferences to the imaging system (pars. 17, 66 and 70).

With regard to claim 34:

Parry further discloses that the transmitting the set of user preferences comprises: sending a selected set of user preferences to an imaging system via a transmission link (transmission link 40, Fig. 1, pars. 17, 66 and 70).

With regard to claim 35:

Parry discloses a method of reconfiguring a display for an imaging system, comprising: storing a plurality of uniquely-identified display configurations in the imaging system (pars. 46 and 66); activating a selected one of the display configurations (pars. 66 and 87); and configuring the display according to the activated display configuration when that display configuration is activated (pars. 17, 46, 67 and 80).

With regard to claim 37:

Parry further discloses activating a display configuration comprises: transmitting

an activation command to the imaging system from an external source (e.g., network or

workstation 20) (pars. 17, 66 and 70).

With regard to claim 39:

Parry further discloses that transmitting comprises: transmitting from

an external computer (workstation 20) (pars. 17, 66 and 70).

With regard to claim 42:

Parry discloses a command or menu program (Fig. 3) for a printer system,

comprising: means for selecting a set of user preferences for the display (pars. 56, 64,

and 66, Fig. 3, 4 or 5); means for saving the set of user preferences (memory 62, Fig.

1, par. 56); and means for transmitting (communication link 40) the set of user

preferences to the printer system (pars. 42, 53, 66 and 80).

With regard to claim 43

Parry further discloses that the means for selecting a set of user preferences

further comprises a command program having a plurality of commands for generating

the set of user preferences (see the plurality of buttons or commands in Fig. 3, 4, 5).

With regard to claim 44:

Parry further discloses that the means for selecting a set of user preferences

further includes at least means for displaying (display 58) a graphical representation of

the display (par. 36); means for selecting (by touching or pressing the command

button) a set of display preferences (pars. 56, 64, and 66); and means for displaying a

new graphical representation including the selected preferences (pars. 64, 69, 73 and

74, Fig. 5).

5.   Claim 41 is rejected under 35 U.S.C. 102(e) as being anticipated by Kaylor

(6,990,548).

Kaylor discloses methods and arrangements for configuring a printer over a

wireless communication link using a wireless communication device. Kaylor also

describes operating a printer and other peripherals remotely includes at least

programming individual user imaging system display preferences remotely to the

imaging system (col. 3, lines 27-34, col., 5, lines 14-20); transferring the individual

user preferences to the imaging system (col., 5, lines 29-32, 58-64);

and operating the imaging system using a display of the individual user imaging

system display preferences (col. 3, lines 63-col., 4, lines 10).

6.   Claims 10 and 15 are rejected under 35 U.S.C. 102(e) as being anticipated by

Ashey et al (2003/0231327)

Ashey relates generally to printing devices, and more particularly to a

customizable printer control panel. Ashey discloses a host based (see Fig. 1 or 2)

custom control panel definition (or command application). The control panel also has

an accompanying interface, such s graphical user interface that allows users to interact

with the control panel display. Ashey also disclose a command module (e.g., a retrieval

module 126), the command module adapted to allow re-configuration of the graphical

user interface to display a new representation of the front panel display (see Fig. 2,

pars. 22 and 29) and a configuration module (e.g., a customization module 128)to

transmit the new representation to an imaging system (par. 45). Ashey also describes

that a host-based application resides on any computing device comprising a personal

digital assistant (par. 16).

7.   Claims 16, 17, and 25-27 are rejected under 35 U.S.C. 102(a) as being

anticipated by Simpson et al (2003/0038965).

Simpson discloses printing system (printing system) via a network service (Fig. 3). The

imaging system includes the physical appearance of the printer or the body of the

printer (224 or 225); a controller; a memory connected to the controller; a printer

mechanism operatively connected to the controller (imaging client 202 comprising a

computer, wherein the computer further comprising processor or controller 502, for

example, Fig. 10); a display (pars. 59 and 69, Fig. 10, wherein the display is

connected to the controller 502 via I/O) operatively connected to the controller; and a

communications module (pars. 38, 44 and 45, Figs, 2 and 3) connected to the

controller, the communications module adapted to receive an external display

configuration and to transmit a received display configuration to the controller (pars.

38, 44 and 45, Figs, 2 and 3). Simpson further discloses a command program or a

menu program having a plurality of commands for generating the display configuration

(e.g., Figs. 5 and 6). Simpson further discloses that the command program is

accessed via a magnetic stripe card reader (pars. 33 and 43). Simpson further

discloses that the command program is accessed at a distance from the command

program via a wireless access wherein the wireless access devices is a cellular

telephone (pars. 24 and 66).

8.   Claims 29, and 31-33 are rejected under 35 U.S.C. 102(a) as being anticipated by McIntyre (20030063305).

McIntyre discloses a method and system fro saving and restoring printer control panel settings. McIntyre also teaches configuring a display for an imaging system (par. 26), comprising: selecting a set of user preferences for the display of the imaging system (par. 26); saving the set of user preferences (Abstract); and transmitting the set of user preferences to the imaging system (McIntyre's claim 3, par. 31). McIntyre further discloses that saving the set of user preferences comprises: uniquely identifying the set of user preferences (par. 31); and storing the set of user preferences in a user preference set database (par. 26 and McIntyre's claim 8).

9.   Claims 35 and 36 are rejected under 35 U.S.C. 102(e) as being anticipated by Anderson et al (2004/0203358).

Anderson discloses a method for printing content from a mobile-computing device. Anderson also describes a desktop assistant 410 reconfiguring a printer resources pool to the last configuration or some other desired configuration. Anderson discloses storing a plurality of uniquely-identified display configurations in the imaging system (pars. 31 and 49); activating a selected one of the display configurations; and configuring the display according to the activated display configuration when that display configuration is activated (pars. 78, 80, 84 and 92). Anderson also describes that activating a display configuration comprises: speaking a command to a voice-activated command module on the imaging system (pars. 54 and 64).

10.   Claim 35, 37, 38 and 40 are rejected under 35 U.S.C. 102(e) as being anticipated

by Weaver (6,694,115).

Weaver describes reconfiguring or altering configuration of printing devices

(Abstract). Weaver describes storing a plurality of uniquely-identified display

configurations in the imaging system (col., 5, lines 52-67); activating a selected one of

the display configurations (col. 6, lines 56-67); and configuring the display according to

the activated display configuration when that display configuration is activated (col.,

lines 56-67). Weaver further describes that activating a display configuration

comprises: transmitting an activation command to the imaging system from an external

source (e.g.; network 120, Fig. 1, col., 3, lines 14-22). Weaver further describes that

transmitting comprises: sending an infrared signal and radio frequency signal (Fig. 4,

col., 4, lines 10-24).

CONCLUSION

6.   Examiner has pointed out particular references contained in the prior arts of

record in the body of this action for the convenience of the applicant. Although the

specified citations are representative of the teachings in the art and are applied to the

specific limitations within the individual claim, other passages and Figures may apply as

well. It is respectfully requested from the applicant, in preparing the response, to

consider fully the entire references as potentially teaching all or part of the claimed

invention, as well as the context of the passage as taught by the prior arts or disclosed

by the examiner.

7.   Information regarding the status of an application may be obtained from the

patent application information retrieval (PAIR) system. Status information for published

application may be obtained from either Private –PAIR or Public-PAIR. Status

information for unpublished applications is available through Private-PAIR only. For

more information about the PAIR system, please see pair-direct.uspto.gov web site.

Should you have questions regarding access to the PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

8.   Any inquiry concerning this communication or earlier communications from the

Examiner should be directed to Tadesse Hailu, whose telephone number is (571) 272-

4051. The Examiner can normally be reached on M-F from 10:30 – 7:00 ET. If attempts

to reach the Examiner by telephone are unsuccessful, the Examiner's supervisor,

Kincaid, Kristine, can be reached at (571) 272-4063 Art Unit 2173 and 2174.

Examiner Tadesse Hailu
Art Unit 2173 – Operator Interface   **TADESSE HAILU**
10/26/06   Patent Examiner